

ABSTRACT OF THE DISCLOSURE

A color display data transmission technology of a mobile communication terminal, and more particularly a method for transmitting color display data using address pins of a main processor mounted in a mobile station modem (MSM) chip and a mobile communication terminal adopting the method. In the mobile communication terminal, the main processor and a liquid crystal display (LCD) driver are interconnected by a plurality of data pins and a number of address pins. The main processor divides color display data of each dot expressed as n bits, and carries out a control operation so that partial bit data of the divided color display data is outputted through the data pins, and simultaneously the remaining bit data of the divided color display data is outputted through some of the address pins. The LCD driver collects the n-bit color display data transmitted through the data pins and some of the address pins, and stores the color display data in a predetermined area on a dot-by-dot basis.